

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	10	"4024841"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/04 10:32
S2	18	("1904373"   "1967167"   "2069646"   "2622569"   "2808006"   "3075506"   "3549286"   "3702602").PN. OR ("4024841").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/04 10:36
S3	1	("2808006").URPN.	USPAT	OR	OFF	2008/02/04 10:37
S4	2	"1904373".PN.	USPAT; USOCR	OR	OFF	2008/02/04 10:37
S5	3	("1904373").URPN.	USPAT	OR	OFF	2008/02/04 10:37
S6	2	"1967167".PN.	USPAT; USOCR	OR	OFF	2008/02/04 10:38
S7	4	("1967167").URPN.	USPAT	OR	OFF	2008/02/04 10:38
S8	2	"2622569".PN.	USPAT; USOCR	OR	OFF	2008/02/04 10:54
S9	2	"2808006".PN.	USPAT; USOCR	OR	OFF	2008/02/04 10:54
S10	13	("3549286").URPN.	USPAT	OR	OFF	2008/02/04 10:54
S11	1	"6604364"	USPAT	OR	OFF	2008/02/04 10:56
S12	4	("5647216"   "5996345"   "6205812"   "6425250").PN. OR ("6604364").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/04 10:57

S13	1	wo-2003067033-a\$. did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/04 11:04
S14	1	de-2539084-a\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/04 11:05
S15	1	1977-C3528Y.NRAN.	DERWENT	OR	OFF	2008/02/04 11:05
S16	245	418/68.ocls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/04 11:12
S17	4	((ARNOLD) near2 (WAGNER)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/04 11:24
S18	12	((ARNOLD) near2 (WAGNER)).INV.	EPO; JPO; DERWENT	OR	OFF	2008/02/04 11:24
S19	13534	engine\$1 and (hemisphere or hemispherical\$2 or sphere or spherical) and (oil\$3 or lubricant or lubricat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:19
S20	2024	engine\$1 and (hemisphere or hemispherical\$2 or sphere or spherical) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:21
S21	401	engine\$1 and (hemisphere or hemispherical\$2 or sphere or spherical) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:22

S22	77	engine\$1 and ( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:23
S23	222	f01c003/02.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:36
S24	14	f01c003/02.ipc. and (oil\$3 or lubricant or lubricat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:36
S25	1	2005-573112.NRAN.	DERWENT	OR	OFF	2008/02/08 09:48
S26	1	2003-627768.NRAN.	DERWENT	OR	OFF	2008/02/08 09:48
S27	187	f01c003/06.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:54
S28	22	f01c003/06.ipc. and (oil\$3 or lubricant or lubricat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:54
S29	4	f01c003/06.ipc. and ((oil\$3 or lubricant or lubricat\$3) near5 (dischag\$3 or exit\$3 or outlet\$1 ot port\$1 or bore\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 09:57
S30	1	1977-K9898Y.NRAN.	DERWENT	OR	OFF	2008/02/08 10:07

S31	256	418/53.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:07
S32	52	418/53.ccls. and (oil \$3 or lubricant or lubricat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:08
S33	14	418/53.ccls. and ((oil \$3 or lubricant or lubricat\$3) near5 (dischag\$3 or exit\$3 or outlet\$1 ot port\$1 or bore\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:09
S34	32	f01c009/00.ipc. and ((oil\$3 or lubricant or lubricat\$3) near5 (dischag\$3 or exit\$3 or outlet\$1 ot port\$1 or bore\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:30
S35	10	f01c021/08.ipc. and ((oil\$3 or lubricant or lubricat\$3) near5 (dischag\$3 or exit\$3 or outlet\$1 ot port\$1 or bore\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:33
S36	10	f01c021/10.ipc. and ((oil\$3 or lubricant or lubricat\$3) near5 (dischag\$3 or exit\$3 or outlet\$1 ot port\$1 or bore\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:33
S37	9	f01c021/12.ipc. and ((oil\$3 or lubricant or lubricat\$3) near5 (dischag\$3 or exit\$3 or outlet\$1 ot port\$1 or bore\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:33
S38	42	418/35-38.ccls.and ((oil\$3 or lubricant or lubricat\$3) near5 (dischag\$3 or exit\$3 or outlet\$1 ot port\$1 or bore\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 10:58

S39	2	"6579081"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 11:29
S40	0	f02B033/44.ipc. and ( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 12:03
S41	16	f02B033/44.ipc. and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 12:04
S42	4	f02B033/44.ipc. and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 12:04
S43	26	123/200-249.ccls. and ( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 12:05
S44	96	123/200-249.ccls. and ( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 12:07

S45	28	123/200-249.ccls. and ( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near\$5 piston\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/08 12:09
S46	13	"2503894"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 11:52
S47	2	EP-1849958-A\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 11:53
S48	12	"1348675"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 11:54
S49	2	FR-2776011-A\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 11:55
S50	2	DE-3206286-A\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 11:56
S51	2	DE-102006009198-A\$. DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:03

S52	1	DE-2811051-A\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:05
S53	2	"6579081"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:17
S54	19	"1093277"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:18
S55	1	f01c003/02.lpc. and huettlin.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:22
S56	92	huttlin.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:23
S57	369	huttlin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:24
S58	2	DE-102006009197-A\$. DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:29
S59	0	DE-102005038447-A\$. DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:30

S60	2	DE-102005038447-b\$. DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:30
S61	1	DE-102005026661-a\$. DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:34
S62	0	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 07:40
S63	20	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) ).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 07:40
S64	777	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 07:48

S65	79	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and fuel\$3 and (spark near3 plug \$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 07:49
S66	0	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and bore\$1 and (guide near3 pan \$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 07:51
S67	505	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and bore \$1 )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 07:52
S68	20	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and bore\$1 and pan\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 07:52

S69	466	(( (hemisphere or hemispherical\$2 or sphere or spherical) with (housing or casing or case)) and (oil\$3 or lubricant or lubricat\$3) and ((oscillat\$3 or nutat\$3 or reciproc\$3) near5 piston\$1) and bore \$1 ))..clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/23 08:19
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